

SUBCHAPTER D—GENERAL REGULATIONS OF THE ENVIRONMENTAL DATA SERVICE

PART 950—ENVIRONMENTAL DATA AND INFORMATION

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§ 950.1 Scope and purpose.

This part describes the Environmental Data and Information Service (EDIS), a major program element of the National Oceanic and Atmospheric Administration, and EDIS management of environmental data and information.

§ 950.2 Environmental Data and Information Service (EDIS).

The Environmental Data and Information Service is the first Federal organization created specifically to manage environmental data and information. EDIS acquires, processes, archives, analyzes, and disseminates worldwide environmental (atmospheric, marine, solar, and solid Earth) data and information for use by commerce, industry, the scientific and engineering communities, and the general public, as well as by Federal, State, and local governments. It also provides experiment design and data management support to large-scale environmental experiments; assesses the impact of environmental fluctuations

on food production, energy production and consumption, environmental quality, and other economic systems; and manages or provides functional guidance for NOAA's scientific and technical publication and library activities. In addition, EDIS operates related World Data Center-A subcenters and participates in other international data and information exchange programs. To carry out this mission, EDIS operates a network of specialized service centers and a computerized environmental data and information retrieval service.

§ 950.3 National Climatic Center (NCC).

The National Climatic Center acquires, processes, archives, analyzes, and disseminates climatological data; develops analytical and descriptive products to meet user requirements; and provides facilities for the World Data Center-A (Meteorology). It is the collection center and custodian of all United States weather records, the largest of the EDIS centers, and the largest climatic center in the world.

(a) Climatic data available from NCC include:

(1) Hourly Surface Observations from Land Stations (ceiling, sky cover, visibility, precipitation or other weather phenomena, obstructions to vision, pressure, temperature, dew point, wind direction, wind speed, gustiness).

(2) Three-Hourly and Six-Hourly Surface Observations from Land Stations, Ocean Weather Stations, and Moving Ships (variable data content).

(3) Upper Air Observations (radiosondes, rawinsondes, rocketsondes, low-level soundings, pilot-balloon winds, aircraft reports).

(4) Radar Observations (radar log sheets, radar scope photography).

(5) Selected Maps and Charts (National Meteorological Center products).

(6) Derived and Summary Data (grid points, computer tabulations, digital summary data).

(7) Special Collections (Barbados Oceanographic and Meteorological Experiment meteorological data, Global

Atmospheric Research Program basic data set, solar radiation data, many others).

(b) Queries should be addressed to: National Climatic Center, National Oceanic and Atmospheric Administration, Asheville, NC 28801, tel. 704-258-2850, Ext. 683.

§ 950.4 National Oceanographic Data Center (NODC).

The National Oceanographic Data Center acquires, processes, archives, analyzes, and disseminates oceanographic data; develops analytical and descriptive products to meet user requirements; and provides facilities for the World Data Center-A (Oceanography). It was the first NODC established and houses the world's largest usable collection of marine data.

(a) Oceanographic data available from NODC include:

(1) Mechanical and expendable bathythermograph data in analog and digital form.

(2) Oceanographic station data for surface and serial depths, giving values of temperature, salinity, oxygen, inorganic phosphate, total phosphorus, nitrite-nitrogen, nitrate-nitrogen, silicate-silicon, and pH.

(3) Continuously recorded salinity-temperature-depth data in digital form.

(4) Surface current information obtained by using drift bottle or calculated from ship set and drift.

(5) Biological data, giving values of plankton standing crop, chlorophyll concentrations, and rates of primary productivity.

(6) Other marine environmental data obtained by diverse techniques, e.g., instrumented buoy data, and current meter data.

(b) Queries should be addressed to: National Oceanographic Data Center, National Oceanic and Atmospheric Administration, Washington, DC 20235, tel. 202-634-7500.

§ 950.5 National Geophysical and Solar-Terrestrial Data Center (NGSDC).

The National Geophysical and Solar-Terrestrial Data Center acquires, processes, archives, analyzes, and disseminates solid Earth and marine geo-

physical data as well as ionospheric, solar, and other space environment data; develops analytical, climatological, and descriptive products to meet user requirements; and provides facilities for World Data Center-A (Solid-Earth Geophysics, Solar Terrestrial Physics, and Glaciology).

(a) Geophysical and solar-terrestrial data available from NGSDC include:

(1) *Marine geology and geophysics.* Bathymetric measurement; seismic reflection profiles; gravimetric measurements; geomagnetic total field measurements; and geological data, including data on heat flow, cores, samples, and sediments.

(2) *Solar-Terrestrial physics.* Ionosphere data, including ionograms, frequency plots, riometer and field-strength strip charts, and tabulations; solar activity data; geomagnetic variation data, including magnetograms; auroral data; cosmic ray data; and airglow data.

(3) *Seismology.* Seismograms; accelerograms; digitized strong-motion accelerograms; earthquake data list (events since January 1900); earthquake data service with updates on a monthly basis.

(4) *Geomagnetic main field.* Magnetic survey data and secular-change data tables.

(b) Queries should be addressed to: National Geophysical and Solar-Terrestrial Data Center, National Oceanic and Atmospheric Administration, Boulder, CO 80303, tel. 303-499-1000, ext. 6215.

§ 950.6 Environmental Science Information Center (ESIC).

ESIC is NOAA's information specialist, librarian, and publisher. ESIC coordinates NOAA's library and information services and its participation in the national network of scientific information centers and libraries. Computerized literature searches provide information from over 80 data bases. The complete list of data bases is available on request. All ESIC information facilities provide the normal library tailored information and reference services. As NOAA's publisher of scientific and technical information, ESIC reviews, edits, and processes NOAA manuscripts for publication.